Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/26/2021 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123564	-2	1.73	123493	1.69
Blue	F	SSC	125000	121844	-3	2.82	122096	2.62
Blue	E	FITC	13131	12663	-4	2.71	290	15.41
Blue	D	PE	24112	23564	-3	2.26	539	10.67
Blue	B	PerCP-Cy5-5	31295	30553	-3	3.48	1008	14.59
Blue	A	PE-Cy7	19939	19415	-3	5.60	522	29.41
Red	C	APC	42122	41028	-3	2.78	1724	11.34
Red	A	APC-Cy7	22340	21637	-4	3.24	813	11.91
Violet	B	V450	7410	7080	-5	3.76	432	12.58
Violet	A	V500	28118	26853	-5	3.31	670	10.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22803	2.01	563	-6	N/A	N/A	Pass
Blue	F	SSC	56926	1.35	517	5	N/A	N/A	Pass
Blue	E	FITC	53	52.09	484	-3	0.0408	0	Pass
Blue	D	PE	113	37.53	487	-1	0.4892	397	Pass
Blue	B	PerCP-Cy5-5	188	36.22	584	-2	0.0202	90	Pass
Blue	A	PE-Cy7	103	70.01	626	-2	0.0217	6	Pass
Red	C	APC	398	24.33	579	3	0.0283	228	Pass
Red	A	APC-Cy7	181	28.24	554	3	0.0059	1041	Pass
Violet	B	V450	60	63.19	463	10	0.0595	2186	Pass
Violet	A	V500	97	36.31	474	9	0.0256	1115	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.52	-31.29	0.99
Blue	20.37	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	14.54	13.60 - 20.40	N/A	N/A	29.69	29.93	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10365

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments